

**Applicant:** Jacob et al.  
**Application No.:** Not Yet Known

### IN THE CLAIMS

1. (Currently amended) Nozzle for spraying liquid substances, dispersions, emulsions, or suspensions, ~~especially highly viscous media, especially from the food and chemical industries~~ for use in fluidized-bed granulating systems, comprising the following:

- the nozzle includes a cylindrical nozzle body and a nozzle mouth piece,
- the nozzle body includes a centrally arranged inner tube and an outer tube spaced apart from the inner tube,
- the inner tube is connected to a supply for a substance to be sprayed,
- the outer tube is connected to a supply for an atomizing gas or to a carrier-gas stream and forms a lance base in a bottom region, and

~~characterized in that~~ the inner tube (3) is mounted in a receiving block (11), which is detachably attached in a tube (10) arranged in a fixed manner on a lower region of the lance base (9) and which can be removed from the tube with the inner tube (3) and any add-on parts (6) ~~possibly~~ attached to the inner tube, and an attachment device (8), which connects the nozzle detachably to a processing housing (15) of the fluidized-bed granulating system, is arranged at a lower region of the outer tube (2).

2. (Currently amended) Nozzle according to Claim 1, ~~characterized in that~~ wherein a seal (14) is arranged within the lance body (9) between the receiving block (11) and the inner tube (3).

3. (Currently amended) Nozzle according to Claim 1 ~~and 2, characterized in that~~ , wherein a seal (16) is arranged between the outer tube (2) and the attachment device (8), as well as between the processing housing (15) and the attachment device (8).

4. (Currently amended) Nozzle according to Claim 1 ~~to 3, characterized in that~~  
wherein in a region of the mouth piece (1) of the nozzle, the inner tube (3) is  
exchangeably connected to a liquid insert (4) using a metal seal set (5).

5. (Currently amended) Nozzle according to Claim 1 ~~to 4, characterized in that~~  
wherein in the region of the nozzle mouth piece (1), an add-on part (6) ~~in the form of~~  
comprising swirl bodies, swirl vanes, or ~~the like~~ a guide for guiding compressed air  
and for guiding the inner tube (3) is arranged in an annular gap between the outer  
tube (2) and the liquid insert (4) or the inner tube (3) and is rigidly connected to the  
liquid insert (4) or to the outer tube (2).

6. (Currently amended) Nozzle according to Claim 1 ~~to 5, characterized in that~~  
wherein attachment of the nozzle on the process housing (15) ~~is realized using~~  
comprises a milk-tube union nut (7) or a tri-clamp attachment.

7. (Currently amended) Nozzle according to Claim 1 ~~to 6, characterized in that~~  
wherein the outer tube (2) is detachably connected, ~~for example, by a tri-clamp~~  
~~attachment (13),~~ to the lance base (9).

8. (Currently amended) Nozzle according to Claim 1 ~~to 7, characterized in that~~  
wherein the outer tube (3) is provided in a region of connection to the lance base (9)  
with an expanding diameter.

9. (Currently amended) Nozzle according to Claim 1 ~~to 8, characterized in that~~  
wherein the receiving block (11) is connected to the tube (10) by a detachable  
connection, ~~for example, a tri-clamp attachment (12).~~

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10. (Currently amended) Nozzle according to Claim 1 to ~~9~~, ~~characterized in that~~ ,  
wherein the inner tube (3) can be screwed into the receiving block (11) adjustable in  
a longitudinal axis direction for setting at least one of a spraying angle [[and]] or a  
spraying pattern, wherein the seal (14) is provided for equalizing an adjustment  
path and comprises a metal compensator or an elastic O-ring.

11. (Currently amended) Nozzle according to Claim 1 to ~~9~~, ~~characterized in that~~ ,  
wherein the inner tube (3) is welded to the receiving block (11).

12. (New) Nozzle according to Claim 7, wherein the outer tube is detachably  
connected to the lance base with a tri-clamp attachment.

13. (New) Nozzle according to Claim 9, wherein the receiving block is connected to  
the tube by a tri-clamp attachment.